

## Ex-Ambassador Douglas Is Commencement Speaker

## Student Group Asks Class B Status For Struik Trial Defense Committee

Lewis Williams Douglas, former U. S. Ambassador to Great Britain, will deliver the principal address at the Institute's eighty-sixth commencement exercises next June.

Mr. Douglas, a graduate of Amherst and a member of the class of 1917 at the Institute, has had a rich and varied career as legislator, public administrator, ambassador, and business executive. He has been a member of the Arizona House of Representatives and the U. S. Congress. A former Director of the Budget, he served during World War II as War Shipping Administrator. During World War I he received a citation from General Pershing and was decorated with Belgium's Croix de Guerre for service in the Argonne and Flanders.

### Posts and Former Posts

Mr. Douglas is a former Vice-President and member of the Board of the American Cyanamid Company and Past-President of the Mutual Life Insurance Company of New York, where he has been Chairman of the Board since 1947. Recipient of honorary degrees from a number of leading universities in the United States and England, Mr. Douglas is trustee of several foundations and societies, including the Alfred P. Sloan Foundation, the Institute for Advanced Study, and the General Education Board of the Rockefeller Foundation.

### \$3.00 'Technique' Options End Dec. 14

The last pre-Christmas \$3.00 option sale for the 1952 TECHNIQUE will end this Friday. After Christmas all options will be sold at the normal price of \$4.00; in May options may be redeemed for the customary \$3.00.

Larger than last year, the 1952 TECHNIQUE will contain 340 pages, including a forty-page Faculty section. All pages will be a 9" x 12". A padded cover is featured this year to back up a new cover design by Marilyn Fraser, '55.

### I.F.C. Votes On Scholarship Cup, Foster Child Aid

The Inter Fraternity Council in last Tuesday's meeting again voted to support the sponsoring of a foster child. They also accepted the National Sigma Chi Fraternity's proposed scholarship cup for the fraternity with the highest yearly average.

This scholarship cup will be furnished by the Sigma Chi Fraternity with the purpose of providing additional incentive for raising scholastic standings in fraternities. The trophy is approximately 30 inches high and will be presented by the I.F.C. to the fraternity with the highest rating, according to the list of fraternity standings issued by the Institute. The coming Spring Term will see the first awarding of the cup, which will be based on the ratings of the previous Spring.

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### 'Herald' Ex-Editor To Talk At Annual THE TECH Dinner

John Crider, former editor of the BOSTON HERALD and 1949 Pulitzer Prize winner, will speak at THE TECH'S annual banquet to be held this Friday evening.

Crider, a former NEW YORK TIMES writer, left his job with the HERALD two weeks ago after a quarrel with the publisher over a review of Senator Taft's foreign policy book. A staunch supporter of General Eisenhower, Crider was outspokenly critical of Taft's book and views.

### Dr. Killian Invited

In addition to the entire staff of THE TECH, President Killian and other Institute officials have been invited to the banquet. The Managing Board for the next volume, Volume LXXII, the new Junior Board and other staff promotions will be announced at the dinner.

### Three Institute Men Get ASME Awards

Three of this year's seven annual awards of the American Society of Mechanical Engineering went to Institute personnel. Institute recipients of the Gold Medals, presented during ASME's national meeting in Atlantic City, were Professor Jacob P. Den Hartog, professor of mechanical engineering; Professor Warren M. Rohsenow, assistant professor of mechanical engineering; and John D. Stanitz, a doctoral candidate in the department.

Professor Den Hartog was awarded the Worcester Reed Warner Medal for "outstanding contributions to

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The committee grew out of a meeting held at a Technology student's house. About fifty students were present, thirty from the Institute and twenty from Harvard. There was no organized publicity for the meeting: news of it spread by word of mouth. Dr. Struik was guest speaker. Although present at the meeting, Dr. Struik neither suggested the existence of the committee, nor did he take any action in its formation.

### Denied Use of Room and Bulletin Boards

Members of the committee applied to Walker Memorial Committee for permission to hold an organizational meeting, at which time a constitution would be drawn up and officers elected. They were, however, denied the use of a room and of the bulletin boards until such time as they became a class B activity. This, according to Walker Committee, conforms to a procedure established in 1949.

Members of the committee were also told that their application for a class B status must be accompanied by a constitution, a list of officers and a list of members. A

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### Gold Medal Award Goes To A.P. Sloan

Alfred P. Sloan, Jr., a life member of the Corporation of the Institute, has received the annual Gold Medal Award of the Hundred Year Association of New York. The award was presented to Mr. Sloan in recognition of his outstanding "efforts in the cause of humanity."

In 1937, Mr. Sloan, who is Chairman of the Board of General Motors, endowed the Alfred P. Sloan Foundation with \$10,000,000 to promote "a wider knowledge of basic economic truths." In 1945 the Foundation set up the Sloan-Kettering Institute for cancer research and in 1950 it endowed the School of Industrial Management at M.I.T. with a grant of \$5,250,000.

### Discovery Of Positronium Credited To Prof. Deutsch

An article appearing in the NEW YORK TIMES of Wednesday, December 5, states that a new atom-particle had been discovered by Professor Martin Deutsch, of the Institute, who named it "positronium." It was later stated in the Times Science Section that the particle was first observed and the name first suggested many years ago. Both articles assert that Professor Deutsch did valuable experimental work on the particle.

The positronium is a combination of an electron and a positron rotating around each other. The particle exists for only about one ten-billionth of a second. After this period of time it is completely converted into energy. Professor Deutsch is said to have found a

way of lengthening this time by the use of a magnetic field.

### Talk at IRE Conference

The original announcement was made at an informal talk given by Professor Deutsch to a nuclear science group of the Institute of Radio Engineers at their conference at the Brookhaven National Laboratory. The import of the discovery is that it is the first nuclear planetary system without a nucleus.

The NEW YORK TIMES regards the particle as a searchlight with which to investigate the inner mysteries of the atomic nucleus. Professor Deutsch said himself that the new particle holds promise. He admitted that nothing definite could be said until more work was done.

### L.S.C. Movie

Alfred Hitchcock's "Lifeboat" will be shown by the Lecture Series Committee on Thursday, December 13, at 5:00, 7:30 and 9:30 p.m. in Room 1-190. Admission, \$30.

### Greenewalt Asks Emphasis On Profits

Financial gain, not for itself, but for what can be done with it should be the strongest and most desirable incentive in a free economy. Crawford H. Greenewalt, '22, president of E. I. Du Pont de Nemours, says in the current issue of the TECHNOLOGY REVIEW.

The number of men who become candidates for top-management positions is slowly dwindling, Greenewalt fears, because of ever higher taxes on personal income. Furthermore, he says, the quality of management is going down along with the number of candidates. Only hope of financial gain can develop new and better executives,

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### Multigraph Purchase Is Being Considered

#### By ARTHUR W. HAINES

In an effort to reduce printing costs the Institute Committee and the Dormitory Committee are considering the purchase of a multigraph. The initial cost of this machine represents an investment of over two thousand dollars. Five or six multigraphs are owned by the Institute and are in full-time use by the departments where they are located.

The multigraph is capable of printing in almost any size, provided that the paper or cardboard is no larger than the standard poster size on the new poster boards. The preparation of a master for the machine is simple; it may be done in pencil, crayon, ink, or typewriter, and can include sketches and photographs.

### Color Reproduction

The machine has the added advantage over the mimeograph and hectograph machines currently used for reproducing purposes by the student activities in that it can print in different colors. The quality of printing is much superior to that of the machines in use at present and compares favorably with letter type printing.

Students could print their own personalized stationery on the machine, thus considerably reducing the cost of such stationery if purchased from a commercial firm.

### Walker Memorial or Hobby Shop?

Space for the machine is available in both Walker Memorial and

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### Library Shows New American Paintings

A selection of paintings from the annual national exhibition of Contemporary American Painting at the University of Illinois is on view at the New Gallery of Hayden Library. The paintings may be seen from 10:00 a.m. to 5:00 p.m. from Monday to Friday until January 9, 1952. The exhibition will be closed on Saturdays, Sundays, and holidays.

The University of Illinois annual national exhibition of Contemporary American Painting was established in 1948, and soon achieved a nationwide reputation. The University offers \$7,500 in purchase prizes each year. It has acquired the prize-winning paintings for its permanent collection. Works of the following artists were chosen: William Bazilotes, Byron Browne, Adolph Gottlieb, Cleve Gray, Morris Kantor, Leo Manso, Matta, Gregorio Prestopino, Kurt Seligmann and Jean Xceron.

### Artists and Selectors

The 1951 exhibition from which this travelling selection now on

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"Family Reunion" by Max Weber. One of Contemporary American Paintings, now on exhibit at the Hayden Memorial Library.

# The Tech

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TUESDAY, DECEMBER 11, 1951

NO. 49

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## THE UNDERGRADUATES' FREEDOM TO ORGANIZE

Tomorrow a group of students will present to Institute Committee their petition for recognition as a Class B Activity. These men and women hope to raise funds to insure a fair trial for Dr. Struik, whether he be guilty or innocent. Professor Struik may or may not be guilty of advocating the violent overthrow of the Government of the United States and the Commonwealth of Massachusetts. This is for the courts of law to decide, and will not be the question before Institute Committee on Wednesday. We feel that to deny these students the right to organize and be recognized would be a violation of academic freedom.

## CALENDAR OF EVENTS

### WEDNESDAY, DECEMBER 12

Hayden Library Film Program. "Nuclear Power." Room 14-0551, 4:05 p.m.  
 Electrical Engineering Department. Colloquium: "Photocomposition—An Application of Modern Control Techniques to the Venerable Art of Printing." Professor S. H. Caldwell. Room 6-120, 4:30 p.m. Refreshments at 4:00 p.m. in Room 6-321.  
 M.I.T. Mathematics Society. Lecture: "Tensor Analysis, Gravitation and Relativity." Mr. H. S. Wilf. Room 4-370, 5:00 p.m.

### THURSDAY, DECEMBER 13

American Chemical Society—Northeastern Section. Symposium: "Bio-synthesis of Proteins." Professor Joseph S. Fruton, Yale University. "Synthesis of the Visual Pigment, Rhodopsin." Professor George Wald, Harvard University. Huntington Hall, Room 10-250, 4:00 p.m.  
 Physics Department. Colloquium: "Studies in the Natural History of the Elements." Professor Philip Morrison, Cornell University. Room 6-113, 4:15 p.m.  
 Institute of Aeronautical Sciences. Lecture: "Future Opportunities in Aircraft Instrumentation." Professor Charles S. Draper. Room 33-319, 5:00 p.m.  
 Lecture Series Committee. Film: "Lifeboat." Room 1-190, 5:00, 7:30, and 9:30 p.m. Admission 30¢.  
 M.I.T. Glider Club. Meeting: "Soaring Techniques." DuPont Room, 5:00 p.m.  
 Hayden Library Film Program. "Nuclear Power." Room 14-0551, 5:05 p.m.  
 American Chemical Society—Northeastern Section. Annual Student Night. Lecture: "Cortisone." Dr. Max Tishler, Merck and Company. Huntington Hall, Room 10-250, 8:00 p.m.

### FRIDAY, DECEMBER 14

Mechanical Engineering Department. Seminar: "New Developments in Boiling Heat Transfer." Mr. John A. Clark. Room 3-370, 4:00 p.m. Coffee from 3:30 - 4:00 p.m. in Room 3-174.  
 American Society of Civil Engineers—Student Chapter. Annual Christmas Party. Baker House, Dining Hall, 8:00 p.m.

### MONDAY, DECEMBER 17

Aeronautical Engineering Department. Seminar: "Transonic Flow Past Wedges." Dr. Leon Trilling. Room 33-319, 4:00 p.m.

### TUESDAY, DECEMBER 18

Student Placement Bureau. Lecture: "How to Get a Job and How to Interview." Professor A. L. Townsend. Huntington Hall, Room 10-250, 11:00 a.m.  
 Metallurgy Department. Colloquium: "The Nature of Intermetallic Compounds." Dr. G. V. Raynor, Institute for the Study of Metals, University of Chicago. Room 6-120, 4:00 p.m.

### M. I. T. MUSICAL CLUBS

The M.I.T. Glee Club, Choral Society and Symphony Orchestra will present Mendelssohn's "Elijah" in Jordan Hall, Boston, on Saturday, December 15, at 8:30 p.m. Tickets for \$1.00 and \$1.50 are on sale in Building 10 and at the box office.

### EXHIBITIONS

An exhibition of The Crystal Palace will be displayed in the lobby of Building 7 through December 14.

Contemporary American Painting, the Illinois Annual Exhibition, is being shown in the New Gallery, Charles Hayden Memorial Library, Monday to Friday, through January 9, from 10:00 a.m.-5:00 p.m.

Photographic Salon prints by D. Ward Pease of Winnetka, Illinois, are on display in the Photographic Service Gallery, Basement of Building 11 through December 24.

### CALENDAR OF EVENTS

The Calendar of Events will be omitted for the next three weeks, December 19 - January 8. Material for the Calendar, January 9 - January 15, is due in the Office of the Editor, Room 7-204, not later than noon on Thursday, January 3.

## Letters to the Editor

Dear Sir;

In its issue of Friday, December 7, THE TECH, in a straight-forward job of reporting, printed a story about the committee to raise money for the defense of Professor Dirk J. Struik of M.I.T., together with the names of seven Institute professors among the signers and the text of the committee's statement. Last other members of the Institute family be swayed into supporting this committee, I should like to point out some of the more glaring fallacies and contradictions in this typical piece of Communist party-line writing, designed to smokescreen the real issues, to pre-judge the forthcoming trial, and to solicit funds under false pretenses.

There were in all five paragraphs in the statement, only one of which contained a pertinent statement of fact. In the first paragraph, the statement points out correctly that Professor Struik has been indicted on charges of advocating, advising, counseling and inciting "the overthrow by force and violence of the government of the Commonwealth of Massachusetts," and conspiracy to advocate, advise, counsel and incite the "overthrow by force and violence of the government of Massachusetts and the government of the United States of America." I would like to show that the remaining four paragraphs ignore the actual charge and, in typical party-line fashion, attempt to divert attention from the actual charge by misleading statements which would tend to indicate that Professor Struik is indeed being tried for something entirely different and that "freedom of speech" and "academic freedom" are in jeopardy.

In the second paragraph, after a quoted Struik denial that he ever advocated orally or in writing the overthrow of the Commonwealth of Massachusetts or of the United States of America, the statement is made that "Those who know Professor Struik . . . have confidence in his integrity and are convinced that these charges are without foundation." In the first place, it should be pointed out that there are those who know Professor Struik who are just as firmly convinced that he has been a secret member of the Communist Party and that he not only advocated, but in secret meetings lectured on ways and means of overthrowing the United States government. Herbert Philbrick has said that he knows Struik only too well, and from the fact that his secret testimony before the grand jury has brought down an indictment, it is fair to say that the grand jury feels that there is sufficient cause to try Struik on these charges. Dr. St. Ivanyi evidently also knows Professor Struik and from his refusal to have anything to do with this committee or any other Struik Defense Committee, it may be assumed that he is not convinced that these charges are without foundation. Furthermore, if the committee itself is convinced that the charges are without foundation, then it follows that they must be equally convinced that Philbrick was lying, that the government agents were lying and that the grand jury had no evidence on which to hand down an indictment. The committee has thus pre-judged the case; it has pre-empted the duty of the jury by declaring the man innocent, and in so doing, is dangerously close to being in contempt of court.

Turning now to the third paragraph, the statement is made that Struik's " . . . social opinions, based on his Marxist philosophy, have always been openly presented to divers groups . . ." This statement is fallacious, unless the committee again takes upon itself the duties of the jury in judging this case. Philbrick has stated categorically that Struik met with and lectured at secret closed Communist meetings. Struik has been charged with conspiracy. What right does the committee have to say that his

(Continued on Page 3)

## AS SEEN FROM HERE

by DAVID N. WEBER

### "HERE'S THE SWITCH" TECH SHOW

Movies may not be better than ever but TECH SHOWS are. For two and a half hours last Friday and Saturday nights the auditorium of Cambridge High and Latin played host to "Here's The Switch," the most original and in many respects the finest production of the last four years.

The songs were not as catchy as 1949's "O Say Can You See" or for that matter last year's "Call Me Mummy." What the show lacked though in songs and singing talent it more than made up for with a well paced, and more often than not hilarious script. Peter R. Leavitt '52, proved once again that with a lively, topical book a college show can't go far wrong.

Technology's favorite buffoon, Georges Marcou '52, who has clowning his way through every TECH SHOW since his Sophomore year, had his best part yet as a revitalized pithecanthropus erectus. His plaintiff speech to por Yorick, and his variations of the caveman's "garruful" were the best comedy bits we've seen in a long time.

The mad scientist Minski must have been conceived with J. Philip Benkard '50 in mind, for that "little-known brownbagger" ripped through a comic creation that in many respects rivaled Marcou's. Smiling Jack Jackson, the cause of the switch, had Peter Noonan '53 in top form.

"Somebody," "It's Never Too Late To Start" and "Courtin' With Finesse" the best songs in the show, all featured, not surprisingly, Jean Thomas. This year Jean stayed clear of ballads, a good policy, and showed her ability to put over a fast song, no matter how little support she gets from the words and lyrics.

The show was livened with Jay Fleishman's settings, which we doubt could have been improved upon, even though one of the walls of Jack Jackson's office failed to last through all of Friday's performance. As for the choreography, it lacked animation, but what is more important, seemed to have no tie-in with the rest of the show.

### The Cast

DAVID SMITH ..... Mike Chivers '52  
 FLO WILLIAMS ..... Myna Nickel  
 TOUR LEADER ..... Jim Reese '52  
 SMILING JACK JACKSON  
 BARTENDER ..... Pete Noonan '53  
 ..... Louis Calcagno '54

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 SEBASTIAN FALSTAFF MAHMOUD I  
 ..... Georges Marcou '52  
 REPORTER 1 ..... Arnold A. Kramer  
 REPORTER 2 ..... Ken Marks '54  
 BOY ..... Bill Chandler  
 GIRL ..... Ray Co  
 CAVEMAN  
 JAMES RHYNE KILLIAN ..... Bob Esch  
 WEDD'S CURT GOWDY ..... Curt Gowd  
 WIDH'S JOHN McCLELLAN  
 ..... John Fitch '55

### DANCERS

Don Willis  
 Myna Nickel  
 Karola Biederlack, 4th Year Spect  
 Student  
 Margaret Hughes '55

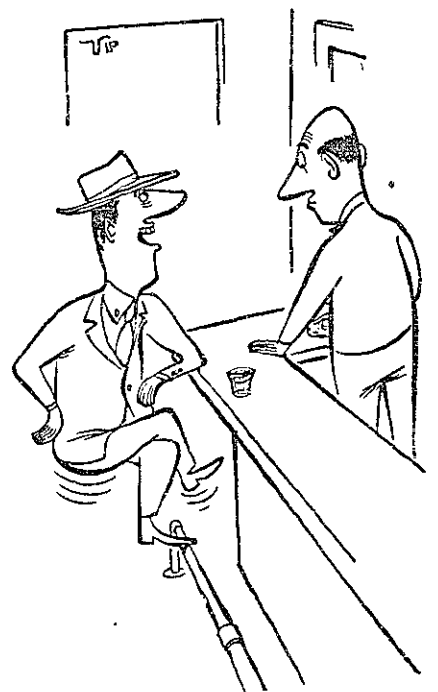
### CHORUS

Sally Starck, Soloist  
 Ron Best '52  
 Louis Calcagno '54  
 Bill Chandler '52  
 Rachel Cole  
 Susan Cooper  
 Sally Cummings  
 Maitland Flood '54  
 Nancy Gray  
 Pete Von Hippel '52  
 Nancy Horne  
 Dean Jacoby '54  
 Arnold Kramer  
 Ken Marks '54  
 Mary McCarthy  
 Dan McNally '54  
 Jim Reese '52  
 Jere Sanborn '52  
 Sally Starck  
 Sally Vincent  
 Ed Wiot '55

## CORRECTION

### Europe This Summer?

Group of New England students obtaining flights to Europe this summer—\$365 membership to group. Round trip by air, Boston-Paris.  
 Leave Boston—June 25 & July 30  
 Leave Paris—Aug. 1 & Sept. 3  
 Phone: K1 7-5873 after 6:00 p.m.



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Letter

(Continued from Page 2)

opinions have always been expressed openly? The remainder of the paragraph consists of more typical Communist-like smoke-screening. A number of facts are listed, including: 1) Struik is a mathematician of considerable standing, and 2) he has written a number of highly respected books on mathematics and the history of science. He is not being charged with being a bad mathematician nor a poor writer. This material is all thrown in by the committee to cloud the issue, to draw attention away from the pertinent fact that he is being charged with advocating the overthrow of the government of the United States.

The fourth paragraph consists of a direct quotation from the public statement of policy issued in 1949 by the Executive Committee of the Corporation of the Massachusetts Institute of Technology which concerns academic freedom. "They (the faculty) must be free to examine controversial matters, to reach conclusions of their own, to

criticize and be criticized. Only through such unqualified freedom of thought and investigation can an educational institution, especially one dealing with science, perform its function of seeking the truth." The insertion of this paragraph into the committee is the most flagrantly misleading smoke-screening thus far. It is calculated to make the unwary think that "academic freedom" is at stake. This is simply not so. Professor Struik is free to examine controversial matters, to criticize and to come to any conclusions whatsoever! If this were all he is alleged to have done, he would not be facing trial at the present time. He is not charged with examining controversial matters, with criticizing or even with being a Communist. He is specifically charged with advocating the violent overthrow of the government of the United States.

Finally, the fifth paragraph may be taken up sentence by sentence. The statement says 1) "We believe that Professor Struik should have the right to express his views without intimidation." If there is any merit to the government charges

—and this will not be known until the conclusions of the trial—then the committee is in effect stating that Struik should be allowed to break the law! Under the Smith Act when a person's views are such that they advocate the overthrow of the government, then these views are unlawful! 2) "Without taking a stand on his political opinions, we feel his indictment is a potential threat to the freedom of expression of all of us." Here is a repetition of the smokescreen thrown up in the preceding paragraph. His indictment is not a potential threat to anyone's freedom of expression. He was not indicted for expressing any lawful views. He was indicted for advocating the overthrow of the government of the United States. 3) "Agreement or disagreement with Prof. Struik's views is not an issue here, and this statement is directed to Americans of all political beliefs." It would appear that the committee statement has been all too strong in its agreement with Professor Struik's views and has said by implication that Philbrick perjured himself and that the grand jury was either hoodwinked or was stupid. 4) "It

is important to all of us that his case be defended vigorously and to the full by all freedom-loving people." This is an American tradition in all cases; it is a privilege enjoyed by all Americans. And yet never in our history has any group so abused that privilege as have the Communists, as witnessed by the trial of the Communists before Judge Medina in New York!

It was with frank amazement that I read the names of seven M.I.T. professors who were taken in by this party-line gobbledegook and allowed their names to be used in conjunction with this committee. It is one thing to solicit funds for the defense of a man charged with a crime, but it is quite another to preface the appeal with misleading statements and insolent prejudgment of the guilt or innocence of the man. Since the professors, not as individuals, but as faculty members of M.I.T. have seen fit to inject themselves gratuitously into the case, I hope they will explain their reasons for signing this statement.

By applying a little simple reasoning, the committee's statement becomes a transparent tissue of misrepresentation. Freedom of speech and academic freedom are not at stake, and in fact have nothing to do with the case. The one fact that remains is that Professor Struik is charged with advocating the violent overthrow of the government of the United States. His guilt or innocence will be decided by a jury and not, fortunately, by the committee nor by those who have signed its statement.

John Fitch '52

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Program Schedule  
Station WGBH

Tuesday, December 11, p.m.

- 3:00—News, weather, WGBH high-lights
- 3:05—Prelude. Schumann, Symphony No. 4 in D minor
- 3:30—United States in World History. Professor Thomas H. D. Mahoney, Massachusetts Institute of Technology
- 4:30—Two Hundred Years of Symphony. "The Eroica." Tucker Keiser, Northeastern University
- 5:30—National Symphony Orchestra Children's Concert (Continental FM Network). Howard Mitchell, Conductor. "Music from Nature." Program: Grofe, "Sunrise" from "Grand Canyon" Suite; Wagner, "Forest Murmurs" from "Siegfried"; Delius, "On Hearing the First Cuckoo in Spring"; Tchaikovsky, "Waltz of the Flowers" from "Nutcracker" Suite
- 6:30—Weather Report from U. S. Weather Bureau in Washington (Continental FM Network)
- 6:40—Report on Norway. Harold Michaelson, Trade Union Fellow, Harvard University
- 6:50—News. Louis M. Lyons, Harvard University
- 7:00—Masterworks from France (Radiodiffusion Francaise). "Troubadour Songs"
- 7:30—Greek Political Theory. Professor Joseph P. Maguire, Boston College
- 8:30—The Poet Speaks. E. E. Cummings. (M.I.T. Lecture Series)
- 10:00—For Parents. "The Psychology of Young Children." Dr. Abigail A. Eliot. Nursery Train-

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# Campus Interviews on Cigarette Tests

## No. 30...THE SQUIRREL



This nimble-minded nutcracker almost tumbled for those tricky cigarette mildness tests. But he worked himself out of a tight spot when he suddenly realized that cigarette mildness just can't be judged by a mere puff or one single sniff. Smokers everywhere have reached this conclusion—there's just one real way to prove the flavor and mildness of a cigarette.

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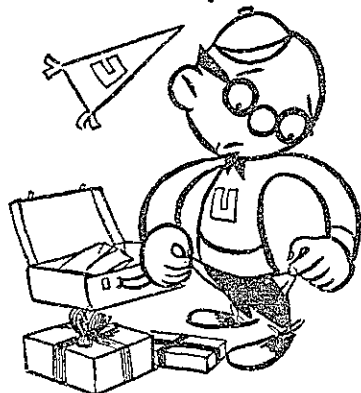
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# 'Bronx Project' Is Successful; Infinitive Split

The following is taken from the latest issue of the monthly bulletin published by the M.I.T. Library:

Preliminary report (unrestricted) Project "Bronx" For limited circulation File No.: PBI/4079/Z38:1

One of the most closely guarded secrets of the era can now be told; how an anonymous group of grammarians, working in secrecy in a remote section of the country, have finally succeeded in splitting the infinitive.

The so-called "Bronx-Project" got under way in 1943 with the installation of a huge infinitron specially constructed for the job by M.I.T. philologists. Though the exact details are still withheld for reasons of security, it is possible to describe the general process.

From a stockpile of fissionable gerunds, encased in leaden cliches to prevent radioactivity, a suitable subject is withdrawn and placed in the infinitron together with a small amount of syntax. All this material must be handled with great care as the slightest slip may lead to a painful solecism. Once inside the apparatus, the gerund is whirled about at a great speed, meanwhile being bombarded by small particles. A man with a Gender Counter stands always ready to warn the others if the Alpha-Betical rays are released in such high quantities as to render the scientist neuter.

The effect of the bombardment is to dissociate the whirling parts of speech from one another until at length an infinitive splits off from its gerund and is ejected from the machine. It is picked up gingerly with a pair of hanging clauses and plunged in a bath of pleonasm. When it cools, it is ready for use.

The question is often asked: Can other countries likewise split the infinitive? I think we can safely answer, "No." Though it is true that Russia, for one, is known to have large supplies of thesaurus hidden away behind the Plural Mountains, it is doubtful if the Russians possess the scientific technique; they have the infinitive but not the know-how.

And that is something on which to congratulate our own brave pioneers in the field of grammatical research. Once it was thought that the infinitive could never be split—

(Continued on Page 5)

## WGBH

(Continued from Page 3)

ing School of Boston, Tufts College  
10:45—News, weather.

Wednesday, December 12, p.m.

3:00—News, weather, WGBH highlights  
3:05—Prelude, Bach, Cantata No. 65, "Sie Werden aus Saba"  
3:30—The Forms of Drama. Professor Marston Balch, Tufts College  
4:30—Music of the Ballet. Stravinsky, "Jeu de Cartes," "The Cage," "Commedia Balletica." Baird Hastings  
5:30—Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts College  
6:00—Khana Bahut Achha, Hai  
6:30—Weather Report from U. S. Weather Bureau in Washington (Continental FM Network)  
6:40—Report on Problems of the Middle East. John S. Badeau, President, American University at Cairo  
6:50—News. Louis M. Lyons, Harvard University  
7:00—We Human Beings. "Who Am I?" Documentary

7:30—International Politics. Commission on Extension Courses. Professor Leo Gross, Fletcher School of Law and Diplomacy, Tufts College  
8:30—New England Conservatory Orchestra (from Jordan Hall). Malcolm Holmes, Conductor  
10:30—News, weather.

Thursday, December 13, p.m.

3:00—News, weather, WGBH highlights  
3:05—Prelude. Haydn, Notturmi Nos. 7 and 4  
3:30—United States in World History. Professor Thomas H. D. Mahoney, Massachusetts Institute of Technology  
4:30—Tomorrow's Symphony. Professor G. Wallace Woodworth, Harvard University  
5:30—Stories from World History (BBC). "Francis Drake and the Cadiz Expedition"  
6:00—At Tivoli  
6:30—Weather Report from U. S. Weather Bureau in Washington (Continental FM Network)  
6:40—Report on the Netherlands. Paulus de Vries, Trade Union Fellow, Harvard University  
6:50—News. Louis M. Lyons, Har-

vard University  
7:00—Pride and Prejudice (BBC)  
7:30—Our Changing Earth. Commission on Extension Courses. Professor C. Wroe Wolfe, Boston University  
8:30—United States Air Force Symphony (Continental FM Network). Colonel George S. Howard, Conductor  
10:30—News, weather.

## I.F.C.

(Continued from Page 1)

and Fall terms.  
The Council decided to continue its sponsoring of a foster child in France for the third consecutive year. Questionnaires are now being sent to the fraternities in connection with the I.F.C. Formal and Weekend. Their aim is to discover the fraternities' opinions on choice of hands and favors, and to elicit suggestions for the event.

The dinner meeting was held at the Red Coach Grill. Dean Francis E. Bowditch spoke on deferred residence for freshmen on Campus. This is at present a vital matter concerning both the Institute and the I.F.C.

## Brown Tops Mermen; Plummer Sets Tech Record; Frosh Win

Dirk Plummer's new Tech record of 2:14.3 in the 200-yard freestyle was the only bright spot of the day last Saturday, as the Beavers were beaten by a strong Brown team 46-29.

Two Brown men churned the waters of Alumni pool to garner Brown records. Cameron broke the 220-yard freestyle mark and Brisco tied the 100-yard freestyle record.

### Varsity's Second Loss

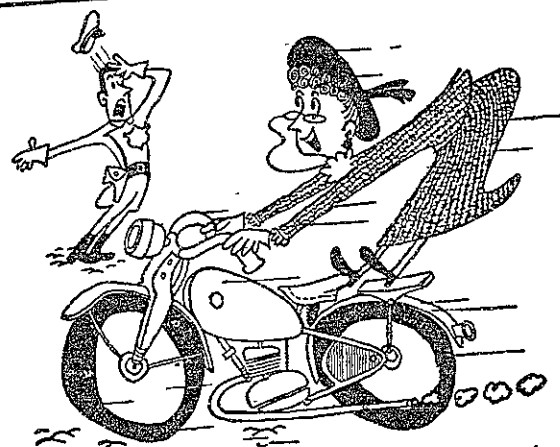
The defeat was the varsity's second straight since the season started. Coach Gordon Smith will send his team out against Harvard tomorrow in the Crimson's pool.

The frosh swamped the Brown yearlings 53-29 on the same afternoon in the first meet of the season. Their next match will be against Dean Academy next Saturday in Alumni Pool.

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# Varsity Wrestlers Downed By Harvard; Frosh Beaten

Last Saturday the varsity and freshman wrestlers met the Crimson at Harvard in the season's opening meet. Tech's Varsity was edged by a 20-14 score while the Freshmen were swamped by a count of 38-0.

Tech's Varsity go off to a rather poor start and never were able to gain the ground lost to a powerful Harvard squad. Tech's first three wrestlers were pinned in succession putting Tech's team 15 points behind. With Harvard fans, who completely outnumbered the few loyal Tech rooters, yelling for another pin, Sinclair Buckstaff came through with a victory by decision to give Tech their first three points of the afternoon. Another match and a quick pin by Harvard put Tech mathematically out of the running but there were still three matches left.

## Ebling, Landy Win

With the score 20-3 Tech showed that it still had plenty of fight left when Bob Ebling came from behind to win his match in a close decision. Dick Landy followed up with a win by decision, and the boys of Harvard were not as noisy as they had previously been.

In the last match of the afternoon Chuck Seymour got off to a shaky start in the unlimited division with an opponent some twenty pounds his better. Seymour's superior condition, wrestling ability, and spirit brought him up from behind to pin his man with only two seconds of the nine-minute match remaining.

While losing to Harvard the varsity showed itself to be a fighting team of superior quality. One of the team's best men, Jim Wolfe, a N. E. frosh champion last year, was injured in practice two days before the meet and could not wrestle. Johnny Hansen, another one of the team's stronger wrestlers, was injured at the beginning of his match and may be lost to the team for some time.

**Varsity:**  
123 lbs.—E. Bursk (H.) pinned J. Myers (M.I.T.) Time, 3:45  
130 lbs.—A. Adams (H.) pinned J. Graef (M.I.T.) Time, 1:40  
137 lbs.—I. Iben, Capt. (H.) pinned J. Hansen (M.I.T.) Time, 4:15  
147 lbs.—S. Buckstaff, Capt. (M.I.T.) over M. Cunningham (H.). Score, 5-0  
157 lbs.—H. Chandler (H.) pinned H. Robertson (M.I.T.) Time, 3:30  
167 lbs.—B. Ebling (M.I.T.) over J. Hubbard (H.). Score, 3-2  
177 lbs.—R. Landy (M.I.T.) over R. Barrington (H.). Score, 3-0  
Unlim.—C. Seymour (M.I.T.) pinned G. Bates (H.). Time, 8:33  
**SCORE:** Harvard 20, M.I.T. 14.

# New Hampshire Five Tops Beaver Hoopmen 59-53; Nacey Stars

Last Saturday night the Engineer basketballers went down to defeat in a 59-53 duel with the University of New Hampshire. The high scorer for the night was Bob Gordon, the captain of the U. of New Hampshire team.

At half time the score was 25-24 in favor of New Hampshire and Gordon had made 17 of these points. High scorers for the Techmen were Captain Mike Nacey with 18 points and Russ Kidder with 9 points.

American International College will be Tech's next opponent on the night of December 14 at Springfield.

Summary:			
Nacey, lf	6	6	18
Nacey, lf	6	6	18
Kidder, rg	4	1	9
Horst, c	3	5	11
Garthe, lf	2	3	7
Barlow, rf	0	0	0
Jackson	0	0	0
Gittelman	2	0	4
Schultz	0	0	0
Bresce	1	0	2
Lickly	0	0	0
TOTAL	16	15	53

## Multigraph

(Continued from Page 1)

the Hobby Shop. If kept in Walker it would be more accessible to student activities during after-school hours and on week-ends. However, if placed in the Hobby Shop, those desiring to use it could be properly trained.

The Finance Committee of the Institute Committee is at present investigating all aspects of the prospective purchase.

# Unbeaten A.T.O. Leads League 3; Stops Baker 30-16, For Fifth Win

By BOB EHLERT

Alpha Tau Omega became the first group to win a league title this basketball season as they defeated Baker House 30-16 for their fifth straight victory. The greatest challenge to them was a strong Phi Mu Delta team which lost only to ATO 28-25 and which is headed for second place.

The talented Huskies squad has only a Wednesday encounter with Lenox Club barring its path to an undefeated season and a League III title. Composed of virtually the same men who sparked Graduate House to the school title last season, this team was victorious over SAE, whose team might well have been division champions had they been in another league.

Delta Kappa Epsilon is undefeated in league one, but is hard pressed by Phi Sigma Kappa, losers of only one match, and that by forfeit. The two teams meet at 6:00 tonight on the armory courts in one of the feature matches of the season. Graduate House with its two defeats seems to be out of the picture.

## Burton Staff Meets East Campus

A really big game is to be played when two of the very best teams meet in the armory at 5:00 Wednesday. East Campus meets Burton Student Staff, with the winner taking honors in League II, provided Burton gets past Phi Kappa tonight. On Thursday Theta Chi bids to take the league five title as it plays Lambda Chi Alpha, which had lost only one game up to press time. If the latter wins, it is possible that there would be a three-way tie including these two teams and the Walker Staff.

Phi Kappa Sigma rambled to three lopsided victories in league six, and was a strong favorite to defeat Theta Delta Chi last night. Meanwhile Baker House No. 1 has had equally easy pickings and the replay of the game between these two teams should be an excellent game and ought to determine the league six champion.

Within the next week or so, all-star teams will be picked on the advice of men representing most of the teams in the IM competition. Watch also for the point totals of the individual players.

## REFEREEING ASSIGNMENTS

December 12th—Armory, 5-7  
Beta Theta Pi and Sigma Alpha Epsilon  
December 12th—Walker, 7-9:30  
Baker House No. 1  
December 13th—Armory, 5-7  
Phi Mu Delta and Sigma Chi  
December 13th—Walker, 7-9:30  
Huskies  
December 16th—Walker, 2-4:30  
Phi Gamma Delta  
Scheduled Games—All games scheduled for 5:00 and 6:00 are in the armory. Night games are to be played in Walker.  
December 12th, Wednesday  
5:00—Grad House vs. Delta Kappa Epsilon  
5:00—East Campus vs. Burton Student Staff  
6:00—Lenox Club vs. Huskies  
6:00—Phi Mu Delta vs. East Campus B  
7:15—Walker vs. Theta Xi  
8:30—Phi Mu Delta vs. A.C.C.A.  
December 13th, Thursday  
5:00—Phi Delta Theta vs. Delta Upsilon  
5:00—Westgate vs. Alpha Epsilon Pi  
6:00—Burton House No. 2 vs. Sigma Alpha Epsilon  
6:00—Baker House No. 2 vs. Sigma Nu  
7:15—Lambda Chi Alpha vs. Theta Chi  
8:30—Theta Delta Chi vs. Baker House No. 1  
December 16th, Sunday (all Sunday games at Walker)  
2:00—Air Force vs. Pegis Club  
3:15—Sigma Alpha Mu vs. Pi Lambda Phi

## Bronx

(Continued from Page 4)

at least, not without terrible repercussions. We have shown that it is quite possible, given the necessary skill and courage, to unquestionably and without the slightest shadow of a doubt accomplish this modern miracle.

—Author's name withheld for reasons of security.

# Some Pigeons are Inclined to Pout

OR

Did Garcia Really Care About Getting That Message?



This is the sad story of a senior who was Serious about a Girl. In the straightforward manner of seniors, he invited her up for the Big Weekend.

He sat down and wrote her a nice letter a month ahead. Then he sat back and waited. And got no answer in three weeks. Finally, in desperation, he phoned her.

Cost him \$1.25 in quarters. When the bonging of the Coin Box stopped, all he could hear at the other end of the wire was a stutter of Sniffs. "Honey?" he asked. She sobbed more plainly.

"Harold," she wailed, "You used to send telegrams to invite me to Big Weekends—This year, all I get is a little old letter. You don't love me." And hung up.

Harold goes everywhere stag now. Says he prefers it that way. But when he passes a Western Union office, he sighs.

A telegram takes any message right out of the casual class. It's subtle—it flatters the person who gets it. Next time you send an invitation, or a howl home for cash or a birthday greeting to Mother—just call Western Union or head for your Western Union office.

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## NOTICES

## Catholic Club

Father Albert Low will address the weekly meeting of the Catholic Club tomorrow. His topic will be "The Mass in English, Demonstrated and Explained." The meeting will be in Room 2-190 at 5:00 p.m. Everyone is welcome.

## Christmas Vacation

Air line representatives, as well as representatives from the New York Central and New York, New Haven, and Hartford Railroads will be in the T.C.A. office until 3:00 p.m. today to take reservations for travel accommodations for the holidays. Tickets will be delivered later in the week.

## Hillel

The annual Hanukkah Festival of M.I.T. Hillel will be held on Sunday, December 16, in the Library Lounge, third floor of Hayden Library starting 2:30 p.m. The program includes cultural entertainment, singing, social and Israeli dancing. Girls' colleges have been invited.

The annual Hanukkah Celebration of the Harvard-Radcliffe-M.I.T.-Lesley Foundation will be held at Agassiz Hall, Radcliffe College, 10 Garden Street, Cambridge (Harvard Sq.), Tuesday, December 18, starting at 8 p.m. This combined affair of the Cambridge Hillel Foundations is a giant festival with students from all Boston Area Colleges attending. The program includes a presentation by the Hillel Choral Group which will be followed by dancing and refreshments.

## Seniors

All seniors are requested to come to the *Technique* office, Walker, Room 318, to check their biographies for possible errors. This must be done this week, any day from 5:00 to 6:00 p.m. *Technique* urges that this be done since no responsibility for errors can be taken by the *Technique* staff, unless each biography is checked.

## Struik

(Continued from Page 1)

constitution has accordingly been drawn up.

Committee members regret that they were not allowed to hold a public organization meeting. In their statement, they say that they take no stand on Struik's beliefs, but they uphold his right to have these beliefs.

They add that they in no way oppose the Institute's position, but they contend that interested Institute students should have the right to support Struik. The committee plans to raise funds for Struik's defense by means of contributions and, possibly, dances.

They plan to appear at the Wednesday meeting of the Institute Committee, when a vigorous debate is expected.

## Former Students

It is claimed that the committee has members with a variety of backgrounds; many are former students of Professor Struik's. Harvard students present at the meeting are also forming a defense committee. It is not known at present how far they have succeeded.

## Society Of Arts Features Popular Science Lectures

A winter series of four popular science lectures will be given at the Institute under the auspices of the Society of Arts at the Institute. The lectures will be given Sunday afternoons at 4:00 p.m. by members of the M.I.T. faculty on December 9, January 20, February 17, and March 9 in Huntington Hall at the Institute.

The first lecture was given last Sunday by Dr. Alex Bavelas, associate professor of psychology, on "Communication in Human Groups."

## Drs. Ippen, Beranek, Hrones

The second lecture will be given on January 20 by Dr. Arthur T. Ippen, professor of hydraulics, on "Experimental Hydromechanics in Engineering Design." Dr. Ippen will review experiments of hydrodynamic effects in hydraulic structures, hydraulic machinery and in many manufacturing processes. In order that Dr. Ippen's talk may be accompanied by demonstrations of modern research equipment in hydraulic mechanics, this lecture will be held in the new Hydrodynamics Laboratory at the Institute instead of in Huntington Hall.

Dr. Leo L. Beranek, associate professor of communications engineering, will present the third program of the series on Sunday, February 17. His talk, "Sounds and You,"

will be a demonstration lecture on how sounds affect people in their day-to-day living at home and at work. The concluding lecture of the series will be given by Dr. John A. Hrones, professor of mechanical engineering, on "Automatic Control in Men and Machines." This lecture will include demonstrations and illustrations of fundamental regulatory concepts (controls) and their influence on modern society.

## Supplements to Talks

Each talk in the series will emphasize experimental science by illustration and demonstration with slides, motion pictures, specimens, models, and experiments. Tickets may be obtained without charge one week before each lecture by enclosing a stamped addressed envelope for each separate request to the Society of Arts, Room 4-415, Massachusetts Institute of Technology.

## Greenewalt

(Continued from Page 1)

he says. "Certainly the desire for power, or the desire for prestige, or admiration, are not characteristics that would be expected to lead to the kind of competence we need in business management—the competence which creates a financially successful enterprise."

## Taxes Passed On

Ordinary corporate taxes, as distinct from excess profits taxes, are almost entirely passed on to the consumer, Greenewalt goes on. He scores the myth perpetrated by some government officials that the huge volumes of money in today's budget are being obtained without hurting the ordinary consumer.

"The net result of recent Federal tax policies is that we are much closer to a system of proportionate taxation or, if you will, to the

old system of tithing, than we think. Whatever the percentage of national income taken in taxes, you may be sure that the ordinary citizen is himself paying, directly or indirectly, very close to that percentage. The figure would show that the number of those who pay more than the average are very few, and the aggregate amount they pay, in comparison with the total bill, is negligible."

## Hiding It

Greenewalt does not hold this policy against the government so much as the efforts to hide it. He does not believe the American people will tolerate what he calls spendthrift policies if they know the truth.

He argues that if the people are enlightened "they will realize first that weakening of incentives hurts everyone, not just the more successful minority."

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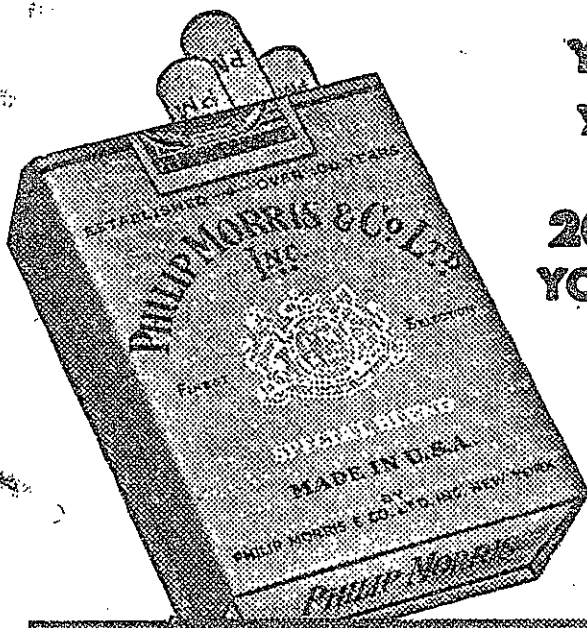
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